ASSIGNMENT NO: 3B

mysql> create database book;

Query OK, 1 row affected (0.00 sec)

mysql> use book;

Database changed

mysql> CREATE TABLE author(a\_id int primary key,aname varchar(20),aemail varchar(20));

Query OK, 0 rows affected (0.18 sec)

mysql> desc author;

+--------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------+-------------+------+-----+---------+-------+

| a\_id | int(11) | NO | PRI | | |

| aname | varchar(20) | YES | | NULL | |

| aemail | varchar(20) | YES | | NULL | |

+--------+-------------+------+-----+---------+-------+

3 rows in set (0.00 sec)

mysql> CREATE TABLE publisher(p\_id int primary key,pname varchar(20),pcity varchar(20),pemail varchar(20));

Query OK, 0 rows affected (0.14 sec)

mysql> desc publisher;

+--------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------+-------------+------+-----+---------+-------+

| p\_id | int(11) | NO | PRI | | |

| pname | varchar(20) | YES | | NULL | |

| pcity | varchar(20) | YES | | NULL | |

| pemail | varchar(20) | YES | | NULL | |

+--------+-------------+------+-----+---------+-------+

4 rows in set (0.01 sec)

mysql> CREATE TABLE student(prn\_no int primary key,sname varchar(20),roll\_no int,branch varchar(20),year int);

Query OK, 0 rows affected (0.14 sec)

mysql> desc student;

+---------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+---------+-------------+------+-----+---------+-------+

| prn\_no | int(11) | NO | PRI | | |

| sname | varchar(20) | YES | | NULL | |

| roll\_no | int(11) | YES | | NULL | |

| branch | varchar(20) | YES | | NULL | |

| year | int(11) | YES | | NULL | |

+---------+-------------+------+-----+---------+-------+

5 rows in set (0.01 sec)

mysql> CREATE TABLE book(ISBN\_no int primary key,title varchar(20),edition int,price float,quantity int,p\_id int references publisher(p\_id),a\_id int references author(a\_id));

Query OK, 0 rows affected (0.24 sec)

mysql> desc book;

+----------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+----------+-------------+------+-----+---------+-------+

| ISBN\_no | int(11) | NO | PRI | | |

| title | varchar(20) | YES | | NULL | |

| edition | int(11) | YES | | NULL | |

| price | float | YES | | NULL | |

| quantity | int(11) | YES | | NULL | |

| p\_id | int(11) | YES | | NULL | |

| a\_id | int(11) | YES | | NULL | |

+----------+-------------+------+-----+---------+-------+

7 rows in set (0.01 sec)

mysql> CREATE TABLE borrowedBy(TRX\_id int primary key,issue\_date date,ret\_date date ,fine float,prn\_no int references student(prn\_no),ISBN\_no int references book(ISBN\_no));

Query OK, 0 rows affected (0.14 sec)

mysql> desc borrowedBy;

+------------+---------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+------------+---------+------+-----+---------+-------+

| TRX\_id | int(11) | NO | PRI | | |

| issue\_date | date | YES | | NULL | |

| ret\_date | date | YES | | NULL | |

| fine | float | YES | | NULL | |

| prn\_no | int(11) | YES | | NULL | |

| ISBN\_no | int(11) | YES | | NULL | |

+------------+---------+------+-----+---------+-------+

6 rows in set (0.01 sec)

mysql> INSERT INTO author VALUES(01,'sanket','s@gmail.com'),(02,'rutvik','r@gmail.com'),(03,'neeraj','n@gmail.com'),(04,'dilip','d@gmail.com');

Query OK, 4 rows affected (0.16 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> SELECT \* FROM author;

+------+---------+--------------+

| a\_id | aname | aemail |

+------+---------+--------------+

| 1 | sanket | s@gmail.com |

| 2 | rutvik | r@gmail.com |

| 3 | neeraj | n@gmail.com |

| 4 | dilip | d@gmail.com |

+------+---------+--------------+

4 rows in set (0.00 sec)

mysql> INSERT INTO publisher VALUES(01,'rajat','akola','r1@gmail.com'),(02,'vishal','solapur','s1@gmail.com'),(03,'abhay','AP','ap@gmail.com'),(04,'madhur','mumbai','m@gmail.com');

Query OK, 4 rows affected (0.11 sec)

Records: 4 Duplicates: 0 Warnings: 0

mysql> SELECT \* FROM publisher;

+------+---------+--------+--------------+

| p\_id | pname | pcity | pemail |

+------+---------+--------+--------------+

| 1 | rajat | akola | r1@gmail.com |

| 2 | vishal | solapur | s1@gmail.com |

| 3 | abhay | AP | ap@gmail.com |

| 4 | madhur | mumbai | m@gmail.com |

+------+---------+--------+--------------+

4 rows in set (0.00 sec)

mysql> INSERT INTO student VALUES(66,'rutvik',01,'IT',3),(69,'suyash',02,'COMP',4),(79,'vishal',03,'MECH',4),(81,'neeraj',04,'IT',2),(75,'rajat',05,'COMP',3),(89,'dilip',06,'ENTC',1);

Query OK, 6 rows affected (0.12 sec)

Records: 6 Duplicates: 0 Warnings: 0

mysql> SELECT \* FROM student;

+--------+---------+---------+--------+------+

| prn\_no | sname | roll\_no | branch | year |

+--------+---------+---------+--------+------+

| 66 | rutvik | 1 | IT | 3 |

| 69 | suyash | 2 | COMP | 4 |

| 75 | rajat | 3 | MECH | 4 |

| 79 | vishal | 4 | IT | 2 |

| 81 | neeraj | 5 | COMP | 3 |

| 89 | dilip | 6 | ENTC | 1 |

+--------+---------+---------+--------+------+

6 rows in set (0.00 sec)